

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. Patent Application No. 09/836,287

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): An image display apparatus, comprising:

an image data acquiring section for acquiring image data;

an image display section having a plurality of substantially sheet-like image display mediums bundled and integrated for displaying images by using said image data obtained by said image data acquiring section;

an image display mode setting device for setting an image display mode in displaying an image on an image display screen of each of the plurality of image display mediums of said image display section; and

an image display adjusting section for adjusting a display image according to the image display mode set by said image display mode setting device.

2. (previously presented): The image display apparatus according to claim 1, wherein said image display mode setting device sets said image display mode by conducting at least one of:

a designation of the image display screen for image display of one image display medium from the plurality of said image display mediums,

a designation of an image display position on the designated image display screen,

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a designation of a size of the display image,
a designation of a direction of arranging the display image,
a designation of a process of inverting the display image,
a designation of a configuration of an outer frame of the display image,
a designation of displaying a template image,
a designation of compositing the template image with the display image and
a designation of inputting a written comment.

3. (previously presented): The image display apparatus according to claim 1, wherein said image display mode setting device includes a transparent input element provided on the respective image display screen of at least one image display medium of the plurality of image display mediums, and said image display mode setting device sets said image display mode under employment of the transparent input element.

4. (original): The image display apparatus according to claim 1, wherein said image display adjusting section arranges and adjusts a plurality of images onto the plurality of said image display mediums according to page category information assigned to the plurality of said image display mediums.

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5. (original): The image display apparatus according to claim 1, further comprising a data communication device that communicates with an external device or via a communication network so as to transmit said image data.

6. (previously presented): The image display apparatus according to claim 1, wherein said image display adjusting section adjusts a display output of the display image according to a location environment.

7. (currently amended): The image display apparatus according to claim 1, further comprising:

a memory for storing said image data or voice data annexed to said the image display screen of at least one image display medium of the plurality of image display mediums; and

an image input unit for inputting said image data or said voice data annexed to said the respective image display screen, or a voice output unit for reproducing and outputting the voice data when having in said memory said image data or said voice data annexed to said the respective image display screen.

8. (currently amended): The image display apparatus according to claim 1, further comprising a lens sheet provided on said the image display screen of said an image display medium of the plurality of image display mediums.

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9. (original): The image display apparatus according to claim 8, wherein said lens sheet is a lenticular lens sheet or a compound eye lens sheet.

10. (original): An image display method, comprising steps of:
bundling and integrating a plurality of substantially sheet-like image display mediums for displaying images by using image data; and
setting an image display mode indicative of a display mode of an image on each of said image display mediums.

11. (previously presented): The image display method according to claim 10, wherein said image display mode is set by conducting at least one of:

a designation of the image display screen for image display of one image display medium from the plurality of said image display mediums,
a designation of an image display position on the designated image display screen,
a designation of a size of the display image,
a designation of a direction of arranging the display image,
a designation of a process of inverting the display image,
a designation of a configuration of an outer frame of the display image,
a designation of displaying a template image,
a designation of compositing the template image and

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a designation of inputting a written comment.

12. (original): The image display method according to claim 10, wherein said image display mode is set by arranging and adjusting a plurality of images onto the plurality of said image display mediums according to page category information assigned to the plurality of said image display mediums.

13. (previously presented): The image display apparatus according to claim 1, wherein the plurality of image display mediums displays comprise at least a first image display medium and a second image display medium,

wherein an image display screen of said first image display medium displays a first image,

wherein an image display screen of said second image display medium displays a second image, and

wherein said first image as displayed by said first image display medium and said second image as displayed by said second image display medium are different.

14. (previously presented): The image display apparatus according to claim 1, wherein only one surface side of each image display medium of the plurality of image display mediums has an image display screen for displaying an image.

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15. (previously presented): The image display apparatus according to claim 1, wherein two surface sides of each image display medium of the plurality of image display mediums displays has an image display screen for displaying an image, wherein a first surface side of said two surface sides has a first image display screen for displaying a first image, and wherein a second surface side of said two surface sides has a second image display screen for displaying a second image.

16. (previously presented): The image display apparatus according to claim 15, wherein said first image display screen displays said first image, and said second image display screen displays said second image, and

wherein said first image as displayed on said first image display screen and said second image as displayed on said second image display screen are different.

17. (previously presented): The image display apparatus according to claim 1, wherein when image data acquired by said image data acquiring section corresponding an image is written to an image display medium of the plurality of image display mediums, an image display screen of said image display medium displays said image.

18. (previously presented): The image display apparatus according to claim 1, wherein the image for which said image display mode setting device sets the image display mode in

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displaying the respective image on a respective image display screen is an image displayed by using said image data obtained by said image data acquiring section.

19. (previously presented): The image display method according to claim 10, wherein the image displayed on a respective image display medium for which a display mode is set in said step of setting an image display mode is an image displayed by using said image data.

20. (previously presented): The image display method according to claim 10, further comprising steps of:

writing image data to an image display medium of the plurality of image display mediums, and

displaying an image by said image display medium, the displayed image corresponding to the written image data.

21. (previously presented): The image display method according to claim 20, further comprising a step of:

erasing said image displayed by said image display medium.

22. (new): The image display apparatus according to claim 1, wherein said plurality of substantially sheet-like image display mediums comprise a plurality of electronic papers.

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23. (new): The image display apparatus according to claim 22, wherein each electronic paper comprises:

a plurality of spheres, each sphere having one half of a first color and a second half of a second color, said first color and said second color being different; and
two sheets having a gap there between in which the spheres are provided,
wherein when an electric field is applied to the spheres, the spheres are rotated and fixed.

24. (new): The image display apparatus according to claim 23,
wherein said plurality of electronic papers are sequentially connected in an accordions-folded form, an edge of each electronic paper being connected with an edge of a next electronic paper.

25. (new): The image display apparatus according to claim 22,
wherein said plurality of electronic papers are sequentially connected in an accordions-folded form, an edge of each electronic paper being connected with an edge of a next electronic paper.

26. (new): The image display apparatus according to claim 22, wherein each electronic paper comprises:

a sheet-shaped liquid crystal film.

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27. (new): The image display apparatus according to claim 26, wherein each electronic paper is a reflection-type image display medium configured to reflect external light, and the liquid crystal is a ferroelectric liquid crystal.

28. (new): The image display apparatus according to claim 26, wherein each electronic paper is a transmission-type image display medium.

29. (new): The image display apparatus according to claim 1, wherein the image display section is arranged as pages in a book, each page comprising at least a substantially sheet-like image display medium of said plurality of substantially sheet-like image display mediums, wherein each page has a first edge bundled together with other pages of the book, and has a second edge physically separated from the other pages of the book, wherein the first and second edges are opposite edges of each page.

30. (new): The image display method according to claim 10, wherein the plurality of substantially sheet-like image display mediums comprise a plurality of electronic papers, sequentially connected so that an edge of each electronic paper is connected with an edge of a next electronic paper, the step of bundling and integrating a plurality of sheet-like image display mediums including accordion-folding the plurality of electronic papers and bundling the accordion-folded electronic papers along one side.

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31. (new): The image display method according to claim 20,
wherein the plurality of substantially sheet-like image display mediums comprise a
plurality of electronic papers, each electronic paper comprises:
 a plurality of spheres, each sphere having one half of a first color and a second
 half of a second color, said first color and said second color being different; and
 two sheets having a gap there between in which the spheres are provided,
 wherein when an electric field is applied to the spheres, the spheres are rotated
 and fixed, and
 wherein the step of displaying an image by the image display medium comprises
 applying an electric field to the spheres.